

FORM PTO-1468
(Rev. 10-2000)

Sheet 1 of 1

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Atty. Docket No.

00-713-i12

Serial No.

09/975,376

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

Applicant:

Chad A. Mirkin, et al.

Filing Date:

October 11, 2001

Group:

1656

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
				-			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1.	Brada, et al., "Golden Blot" – Detection of Polyclonal and Monoclonal Antibodies Bound to Antigens on Nitrocellulose by Protein A-Gold Complexes, <i>Analytical Biochemistry</i> , Vol. 42, pp. 79-83 (1984) U.S.
2.	Dunn, et al., "A Novel Method to Map Transcripts: Evidence for homology between an Adenovirus mRNA and Discrete Multiple Regions of the Viral Genome, <i>Cell</i> , Vol. 12, pp. 23-36, (1997) U.S.
3.	Hacker, "High performance Nanogold – Silver in situ hybridisation, <i>Eur. J. Histochem</i> , Vol. 42, pp. 111-120 (1998) U.S.
4.	Ranki, et al., "Sandwich hybridization as a convenient method for the detection of nucleic acids in crude samples," <i>Gene</i> , Vol. 21, pp. 77-85 (1983) U.S.
5.	Romano, et al., "An antiglobulin reagent labelled with colloidal gold for use in electron microscopy," <i>Immunochemistry</i> , Vol. 11, pp. 521-522 (1974) Great Britain

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5/17/2005

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FORM PTO-1449
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Sheet 1 of 1

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CLW	5,609,907	03/11/97	Natan			
	6,025,202	02/15/00	Natan			
	6,149,868	11/21/00	Natan, et al.			

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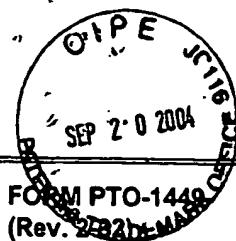
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Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
CH	5,599,668	02/04/97	Stimpson, et al.			
CH	5,990,479	11/23/99	Weiss, et al.			

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

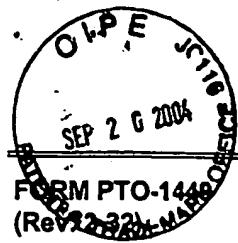
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FORM PTO-1446
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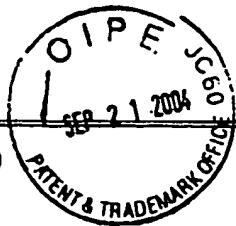
8.	Yguerabide, et al., "Light-Scattering Submicroscopic Particles as Highly Fluorescent Analogs and Their Use as Tracer Labels in Clinical and Biological Applications," I. Theory, <i>Analytical Biochemistry</i> , Vol. 262, pp. 137-156 (1998) U.S.
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FORM PTO-1449
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09/975,376

**INFORMATION DISCLOSURE
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Applicant:

Chad A. Mirkin, et al.

Filing Date: October 11, 2001 **Group:** 1637

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
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	2. 5,900,481	05/04/99	Lough, et al.	536	55.3	11/06/96
	3. 6,203,989	03/20/01	Goldberg, et al	435	6	03/25/99
	4. 6,251,303	06/26/01	Bawendi, et al.	252	301.4R	09/18/98
	5. 6,277,489	08/21/01	Abbott, et al.	428	403	12/04/98
	6. 6,306,610	10/23/01	Bawendi, et al.	435	7.1	09/17/99
	7. 6,361,944	03/26/02	Mirkin, et al.	435	6	06/25/99
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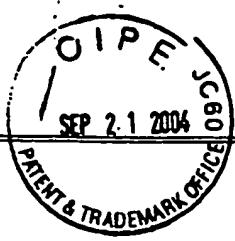
	Document Number	Date	Country	Class	Subclass	Translation Yes	No
Ch	10. WO 93/25709	23 December 1993	PCT				
Ch	11. WO 98/04740	5 February 1998	PCT				
Ch	12. WO 98/17317	30 April 1998	PCT				
Ch	13. WO 99/60169	25 November 1999	PCT				
Ch	14. WO 00/33079	8 June 2002	PCT				
Ch	15. WO 01/00876	4 January 2001	PCT				

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Chad A. Mirkin, et al.

Filing Date: October 11, 2001 Group: 1637

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FOREIGN PATENT DOCUMENTS

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<i>CH</i>	16.	WO 01/51665	19 July 2001	PCT			
<i>CH</i>	17.	WO 01/73123	4 October 2001	PCT			
<i>CH</i>	18.	WO 01/86301 <i>Abstract Only</i>	15 November 2001	PCT			
<i>CH</i>	19.	WO 02/04681	17 January 2002	PCT			
<i>CH</i>	20.	WO 02/18643	7 March 2002	PCT			
<i>CH</i>	21.	WO 02/36169	10 May 2002	PCT			
<i>CH</i>	22.	WO 02/46483	13 June 2002	PCT			
<i>CH</i>	23.	WO 02/46472	13 June 2002	PCT			

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<i>CH</i>	24.	Letsinger, R., et al., "Chemistry of Oligonucleotide-Gold Nanoparticle Conjugates," <i>Phosphorus, Sulfur and Silicon</i> , Volume 144, p. 359-362 (1999)
<i>CH</i>	25.	Letsinger, R., et al., "Use of a Steroid Cyclic Disulfide Anchor in Constructing Gold Nanoparticle—Oligonucleotide Conjugates," <i>Bioconjugate Chem</i> , p. 289-291 (2000)

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U.S. DEPARTMENT OF COMMERCEU.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
00-713-i12Serial No.
09/975,376INFORMATION DISCLOSURE
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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.).

CH	26.	Li Z., et al., "Multiple thiol-anchor capped DNA-gold nanoparticle conjugates," <i>Nucleic Acids Research</i> , Volume 30, p. 1558-1562 (2002)
CH	27.	Nuzzo R., et al., "Spontaneously Organized Molecular Assemblies. 3. Preparation and Properties of Solution Adsorbed Monolayers of Organic Disulfides on Gold Surfaces," <i>J. Am Chem. Soc.</i> , Volume 109, p. 2358-2368 (1987)
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CH	29.	Wuelfing, P., et al., "Nanometer Gold Clusters Protected by Surface-Bound Monolayers of Thiolated Poly(ethylene glycol) Polymer Electrolyte," <i>J. Am Chem. Soc.</i> , Volume 120, p. 12696-12697 (1998)

EXAMINER	Cynthia Dillihoty	DATE CONSIDERED	5/17/2005
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Atty. Docket No.

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00-113-i12

09/975,376

INFORMATION DISCLOSURE
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Applicant: Chad A. Mirkin, et al.

Filing Date: 10/11/01 Group: 1656

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
Ch	1. 5,288,609	02/08/94	Mroczkowski, et al.			
	2. 5,284,748	02/22/94	Engelhardt, et al.			
	3. 5,360,895	11/01/94	Hainfield, et al.			
	4. 5,384,265	01/24/95	Kidwell, et al.			
	5. 5,472,881	12/05/95	Beebe, et al.			
	6. 5,599,668	02/04/97	Stimpson, et al.			
	7. 5,637,508	06/10/97	Kidwell, et al.			
	8. 5,751,018	05/12/98	Alivisatos, et al.			
	9. 5,939,021	08/17/99	Hansen, et al.			
	10. 5,990,479	11/23/99	Weiss, et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No
Ch	11. WO 93/10564	27 May 93	PCT			
Ch	12. WO 98/10289	12 March 98	PCT			
Ch	13. WO 99/23258	14 May 99	PCT			
Ch	14. WO 99/21934	06 May 99	PCT			
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Ch	16. O.D. Velev, et al., "In Situ Assembly of Collardal Particles into Miniaturized Biosensors," <i>Langmuir</i> , Vol. 15, No. 11, pp. 3693-3698, May 25, 1999
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U.S. Department of Commerce
Patent and Trademark OfficeAttn. Docket No
00-713-912Serial No.
09/975,376INFORMATION DISCLOSURE
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Applicant: MIRKIN et al.

Filing Date: 10/11/01

Group: 1656

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	1.	WO 92/04469	19 March 1992	PCT			X
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OTHER DOCUMENTS - Including Author, Title, Date, Pertinent Pages, Etc.

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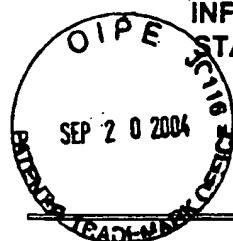
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lu	1. 4,193,983	3/18/80	Ullman et al.			
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	4. 4,313,734	2/2/82	Leuvering			
	5. 4,318,707	3/9/82	Litman et al.			
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	10. 5,225,064	7/6/93	Henkens et al.			
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CH	23.	WO 97/40181	10/30/97	PCT			
CH	24.	WO 98/04740	2/5/98	PCT			
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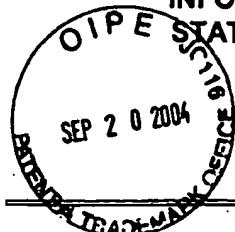
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Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 00-713-i12	Serial No. 09/975,376
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant: Chad A. Mirkin, et al.	
		Filing Date: 10/11/01	Group: 1656

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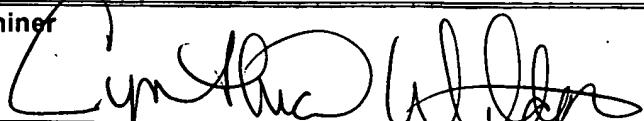
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